



Cartiere di Trevi

Circular Economy in the paper industry

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Our mission

Our aim is to be considered a **benchmark** in the **paper industry**, thanks to the **high quality of our products**, the sustainable approach towards our territory and the capability to meet our **stakeholders' needs**.



Cartiere di Trevi - highlights

- Cartiere di Trevi S.p.A. was founded in **1960**
- It is the **only paper mill** located in **Umbria**
- All products are made **exclusively** with **recycled raw material**
- Total production **62,000 ton / year**
- Waste paper used **70,000 ton / year**
- Market **85% Italy / 15% abroad**



The products

- **Paper and cardboard for corrugators** used in the packaging sector
- **Grey cardboard** used for tubes and sheets
- **Coloured cardboards** used for stationary items, interlayers, place mats
- **Laminated cardboards** used for the food packaging



Separate collection of paper and cardboard

- In **Italy** every minute **10 tons** of waste paper are collected
- Average domestic collection per person: **53 kg/year**
- Total domestic separate collection of **waste paper** : **6.3 mln ton/year**
- Waste paper collection trend: **+3% vs previous year**
- Average collection of **waste paper** in Umbria per person: **63.5 kg/year**
- Separate collection **Umbria**: **57,320 ton/year**

ITALIA
53,1 KG

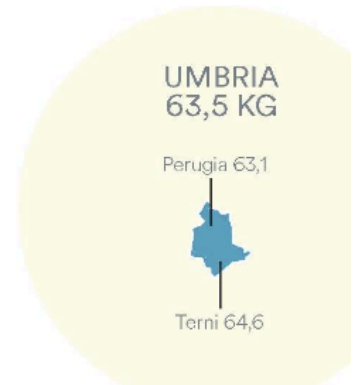
CENTRO
65,6 KG



UMBRIA
63,5 KG

Perugia 63,1

Terni 64,6



Circularity in the paper industry

Waste paper is the first **source of fibre** for paper production. It can be used **up to 7 times**.

The **paper industry** registers one of the highest **circularity rates** in the Italian industry.

The average circularity rate in the **paper industry** is **55%** with a **peak of 80%** in the **packaging sector**.

The average **circularity rate** of the **entire Italian industry** is about **17.8%**.

The paper cycle

Waste paper is delivered to Cartiere di Trevi:
70.000 ton/year

Separate collection of paper and cardboard by citizens



Our paper bag to collect waste paper



Processing of waste paper begins through the "pulping" phase

New products of recycled paper are ready for the market
62.000 ton/year

”Carta km zero”



Objectives:

- The valorisation of waste paper from the Umbrian territory, through its transformation into resources.
- The recycling within the same territory of the separate collection of paper and cardboard
- The reduction of CO₂ emissions related to the transport of waste paper to other regions
- The increase of the separate collection thanks to awareness campaigns towards the citizens

Valle Umbria Servizi is our **partner** in this project delivering every year approx. **5,000 tons** of waste paper to Cartiere di Trevi plant directly from the ‘house to house’ collection.



Beyond the paper cycle

The processing waste



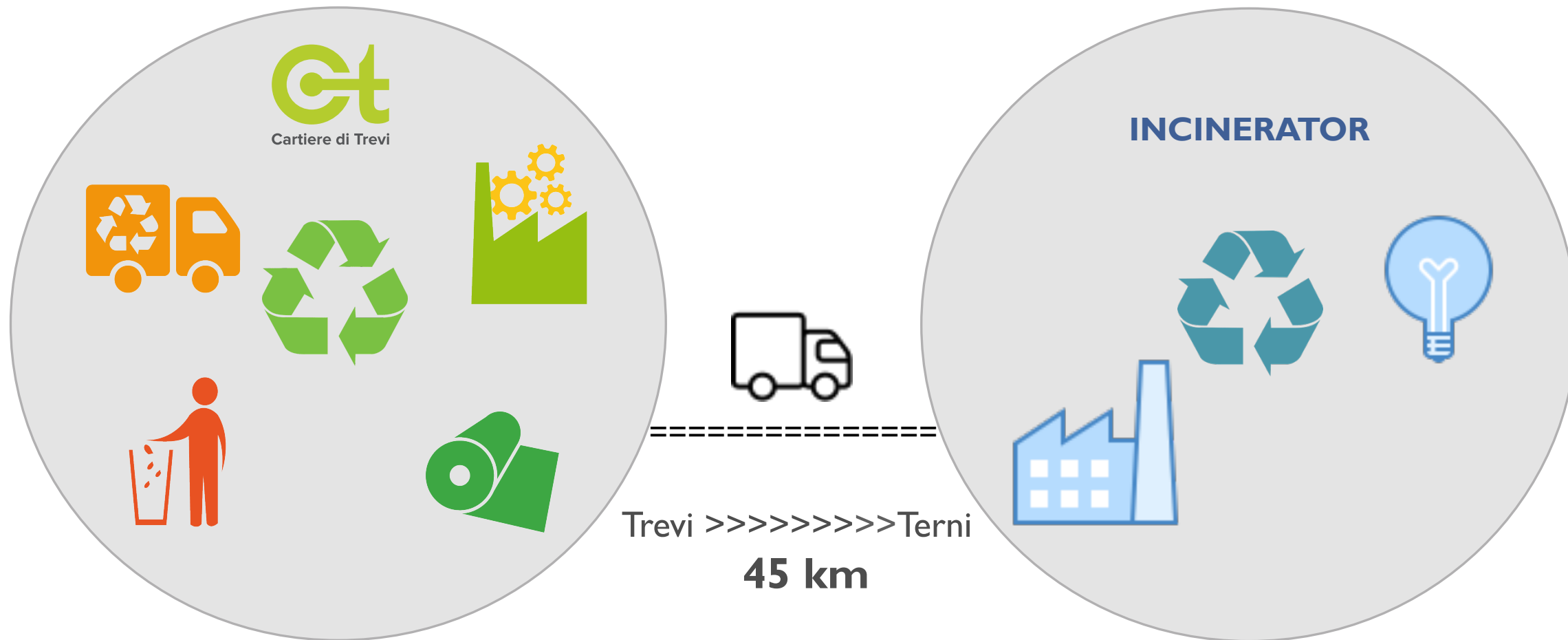
- It is the non-recyclable part of the collection of paper and cardboard
- It derives from the mistakes that citizens make in differentiating waste
- It is essentially composed of plastic, contains metal, glass and sand parts
- The percentage of impurities is approximately **3,46%** ⁽¹⁾
- These "impurities", at the end of the pulping phase, are separated from the paper fibres and constitute the main waste of the production process

High technology

- The new **pulp preparation plant and the press** for waste treatment ensure the maximum recovering of the material
- The pulper waste is then **COMPACTED** and **DEHYDRATED**
- The percentage of **HUMIDITY** contained in the waste is strongly reduced reaching an average of **30%**
- It is classified **CER 030307** according to Eu regulations



Towards a new cycle



Thank you

